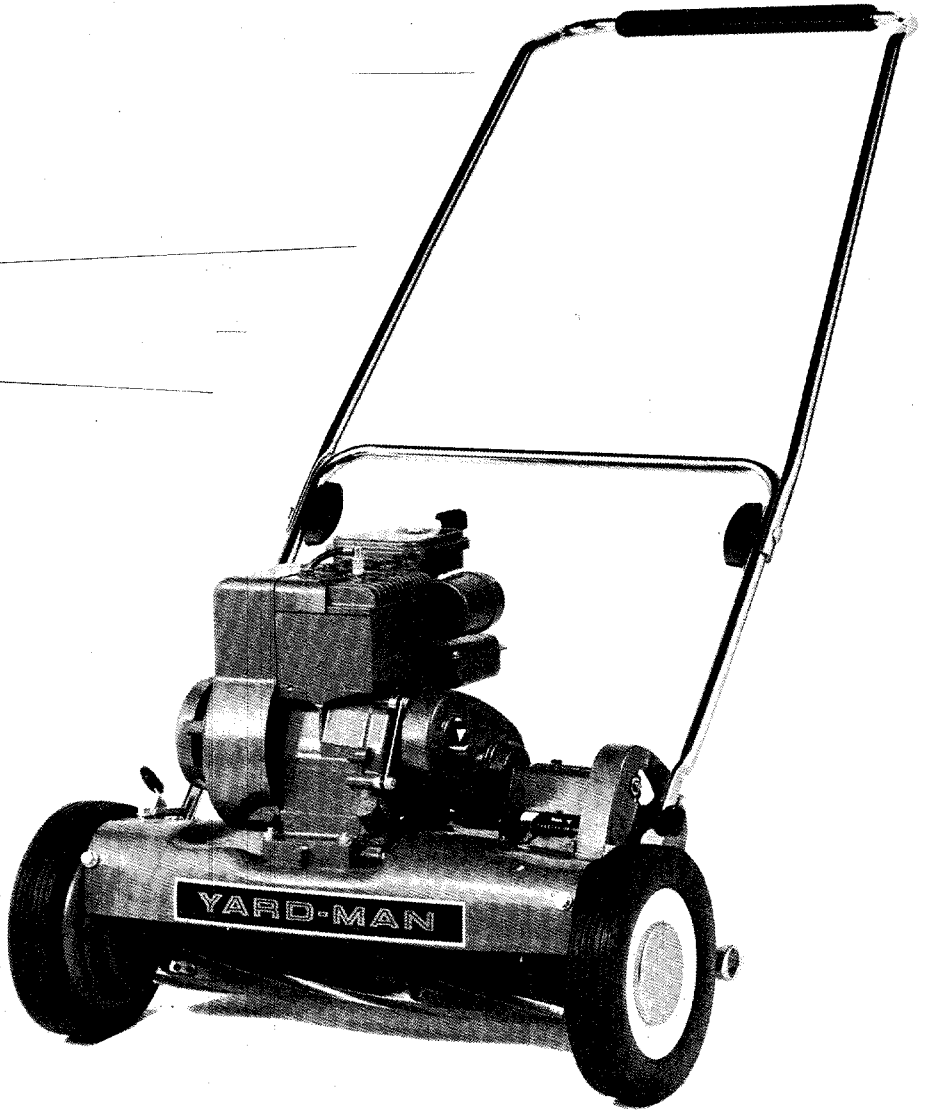
OWNERS
OPERATING MANUAL
and PARTS LIST

MODEL 1040-8
18 INCH
POWER REEL MOWER



MANUFACTURER'S CERTIFICATION PROGRAM
SPONSORED BY OPEI Outdoor Power Equipment Institute
CONFORMS TO SAFETY STANDARDS

0611-649

PRINTED IN U.S.A.

YARD-MAN INC

Jackson Michigan

BUILDERS OF THE ORIGINAL SILENT YARD-MAN LAWN MOWER

IMPORTANT

RULES FOR SAFE OPERATION

Your Mower is a precision piece of power equipment. Engineering skill and experience have been combined to provide the ultimate in safety and efficiency. As with any type of power equipment, carelessness or error on the part of the operator can result in injury. Exercise extreme caution at all times.

1. **KNOW YOUR MACHINE** Read the Owner's Manual carefully — learn how to operate your mower properly.

2. **MAKE SURE THE LAWN IS CLEAR** of sticks, stones, wire and other hazardous items from lawn before mowing. Such items are dangerous to both the mower and individuals in the vicinity of the mower.

3. **ADD FUEL** before starting engine - - - never when engine is hot or running.

4. **ALWAYS STOP ENGINE** and disconnect sparkplug wire before attempting any repairs or adjustments.

5. **START ENGINE CAREFULLY** Always have rotary control lever in "OFF" position and be properly seated before turning the key to start engine.

6. **DO NOT OPERATE RIDING MOWER** at extreme angles. Cut grass on hills and banks sideways.

7. **STOP THE ENGINE BEFORE LEAVING OPERATORS SEAT.** Disengage mower when not cutting grass, transporting or using other attachments.

8. **DO NOT ALLOW MINORS** to operate mower unless thoroughly instructed and properly supervised.

9. **KEEP CHILDREN AND PETS AWAY** from area at all times during mowing operation. Do not allow anyone other than the operator to ride on your riding mower.

10. **DISENGAGE ALL BLADE AND DRIVE CLUTCHES** before starting units so equipped. Do not attempt to engage Rotary Control while mower is resting in high grass.

11. **ALWAYS CHECK FOR DAMAGE** If you should strike some foreign object with the blade while mowing, stop your mower. Inspect for and repair any damage before restarting and operating the mower.

PREPARING YOUR YARD-MAN MOWER FOR USE

SET-UP

To assemble the handle to the chassis — place the lower handle through the opening in the left hand end plate and slip it over the 1/2 in. dia. trunnion. While holding the stand-up handle latch open — press the right hand side of the lower handle toward the center of the mower until it will fit into the opening in the end plate — place handle through the opening and slip it over the 1/2" dia. trunnion.

With the lower handle section in the operating position the upper handle can now be assembled to the lower section with the special bolts, washers and hand knobs provided.

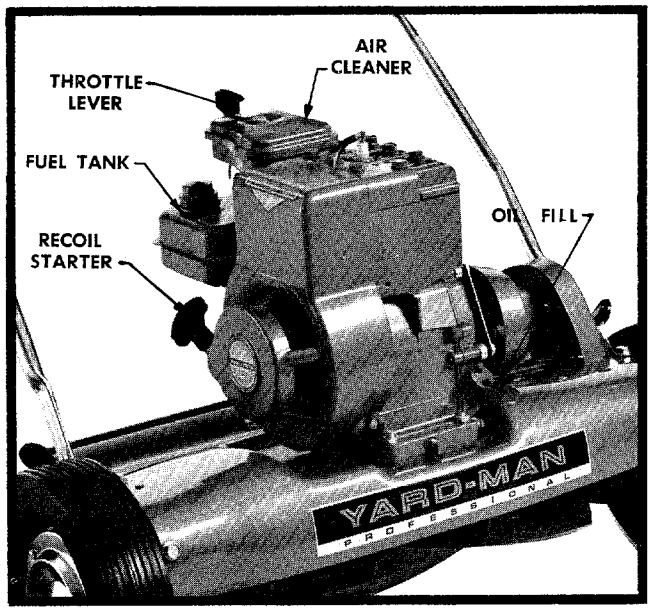
BEFORE STARTING ENGINE

1. Remove oil fill plug (Fig. 2). Place mower level and fill engine crankcase to top of oil plug with S.A.E. No. 30 oil. Tilt mower to make sure oil flows completely into crankcase. Replace fill plug and tighten.
2. The air cleaner protects the engine against grit and dirt. CAUTION, an extremely dirty air cleaner element may cause engine to stall.

SEE ENGINE INSTRUCTION MANUAL FOR PROPER AIR CLEANER MAINTENANCE.

3. Fill tank with good grade regular, clean fresh gasoline. DO NOT MIX OIL with gasoline.

FOR COMPLETE ENGINE INFORMATION READ ENGINE INSTRUCTION BOOKLET FURNISHED WITH YOUR MOWER BEFORE STARTING OR OPERATING.



TO START ENGINE

1. Place handle in neutral position with handle down.
2. Set throttle control in start position.
3. Pull starter rope with a smooth, quick full stroke once. Move throttle lever to run position. Pull starter rope again.
4. When engine starts move throttle lever to an idle position until the engine warms up.

BREAK-IN PERIOD

1. During first 10 hours of operation check frequently the following:
   * Oil level in engine crankcase.
   * Belt adjustment on engine to jackshaft drive. (Page 6)
   * Check all bolts, nuts and screws for tightness.

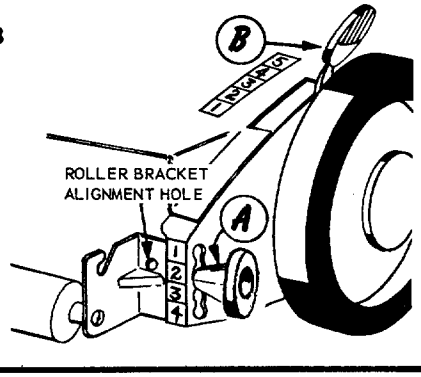
OPERATING INSTRUCTIONS

TO PROPEL MOWER FORWARD, simply raise the handle . . . TO STOP MOWER, lower the handle.

TO ADJUST HEIGHT OF CUT

1. Consult the chart located on Page 5, (Fig. 3A) and Fig. 3 shown below. The roller adjusting knobs (A) and wheel adjusting levers (B) must be in positions shown for desired cutting height. EXAMPLE: for 1½" cutting height roller knob must be in No. 2 position, and wheel lever must be in No. 4 position. (Fig. 3 and Fig. 3A)
2. Place mower on hard, flat surface and tilt machine back on roller until wheels are off the ground. Move right hand wheel lever outward to disengage locating pin, then move lever forward or back until it is aligned with proper number on deck label. Release outward pressure on lever and be sure that locating pin seats properly in hole in end plate. Repeat this procedure on left hand side, position lever so that mower is level.
3. Tilt m o w e r forward until roller is off the ground. Turn right hand roller knob counter clockwise 2 full turns and move knob up or down until alignment hole in roller bracket is in line with proper number on label at rear of end plate. (see illustration) Turn knob clockwise until tightened securely. Repeat this procedure for other side.

FIG. 3



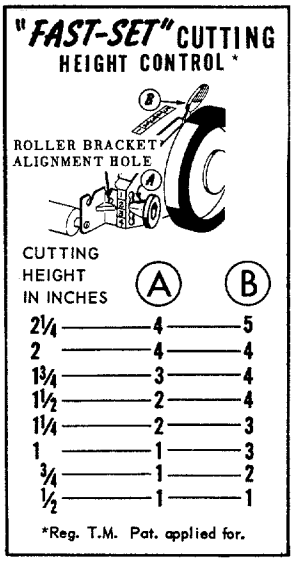


FIG. 3A

QUALITY OF CUT

Since a reel type mower does not create a lifting action like a rotary mower, it CANNOT lift up and cut tall blades of grass that are bent over. If cutting height is set too high, grass of this nature will not be in position to be drawn between the reel blades and cutter bar and in many cases will be pushed away by the revolving reel. Therefore, to obtain the utmost in performance and lawn appearance, cutting height ABOVE 1⅝" IS NOT RECOMMENDED except where grass is upright and dense.

SERVICE INSTRUCTIONS

ALWAYS REMOVE SPARK PLUG WIRE BEFORE MAKING ADJUSTMENTS—NEVER MAKE ANY ADJUSTMENTS WITH ENGINE RUNNING.

Check your mower frequently to make sure all parts are operating smoothly. Your mower left the factory properly adjusted and properly lubricated to assure you of a smooth clean cutting job. Keep it clean. The mower should be thoroughly cleaned and lubricated at the start of each mowing season for better operation and longer service life.

DO NOT use water to clean the mower—use a broom or brush to remove grass and dirt. When storing mower for any length of time, follow storage instructions in engine instruction booklet.

CHECKING AND ADJUSTING CUTTER BAR CLEARANCE

When properly set, the cutter bar should almost contact the reel blades. Only on very fine grass should the reel blades touch the cutter bar, and then very lightly so that only a slight scraping noise is heard.

It's easy to check proper cutter bar clearance — just place a piece of newspaper about 2" wide and 6" long, between reel blades and cutter bar — See Step 2. Correct cutter bar clearance should pinch but not cut, the paper at both ends and the middle of the cutter bar. If it doesn't adjust as follows:

CUTTER BAR ADJUSTMENT

(Fig. 4) Cutter Bar bolts (2 & 3) are tapered and extend beyond t h e side plate slightly. When t h e s e tapered bolts are tight any end play or looseness is eliminated. Be sure these bolts are tight before m a k i n g adjustments.

TO TIGHTEN CUTTER BAR
Turn hex adjusting nut counterclockwise.

TO LOOSEN CUTTER BAR
Turn hex adjusting nut clockwise.

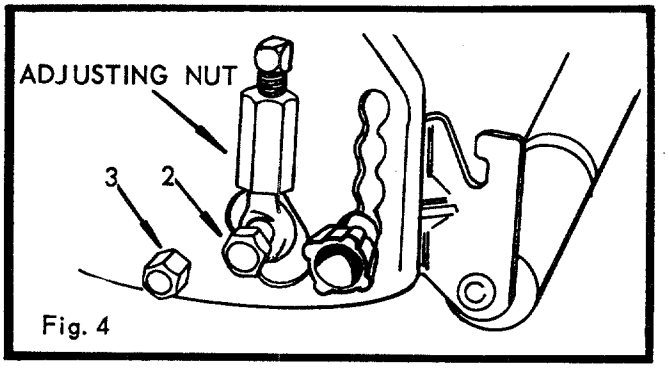


Fig. 4

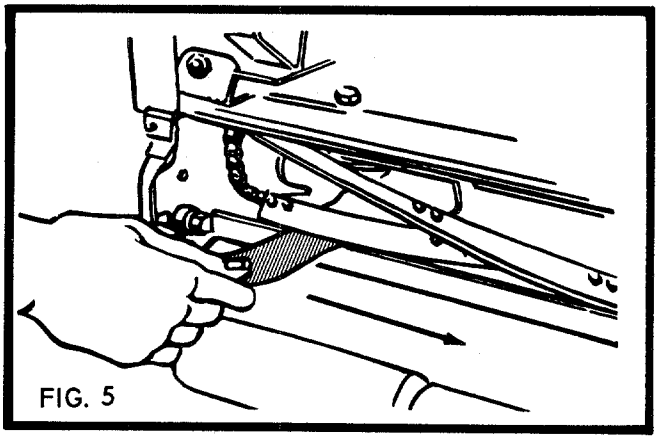


FIG. 5

REEL AND CUTTER BAR PAPER TEST

1. Insert strip of newspaper between cutter bar and reel blades.
2. Turn r e e l slowly backwards. If the paper is held snugly by each blade then adjustment is correct.
3. Adjust cutter bar so that reel blades pinch paper without cutting it.

SERVICE

1. Sharpening is required w h e n the mower will not cut satisfactorily without the reel blades wiping on the cutter bar.

SEE PAGE 12 ON HOW TO OBTAIN SERVICE AND REPLACEMENT PARTS.

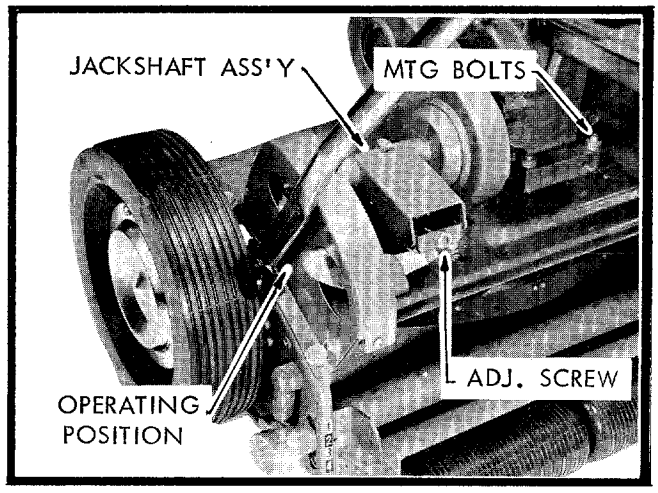
NOTE:
When cutter bar is removed for sharpening, left hand pivot bolt (Item 2 fig. 5) must be turned counter clockwise to be removed. Right hand pivot bolt on r i g h t hand side of mower must be turned clock-wise.

IMPORTANT

Your mower has been designed with a stand-up handle (See instructions on Pg. 7). Make sure the mower handle is in the stand-up position before attempting the following adjustments.

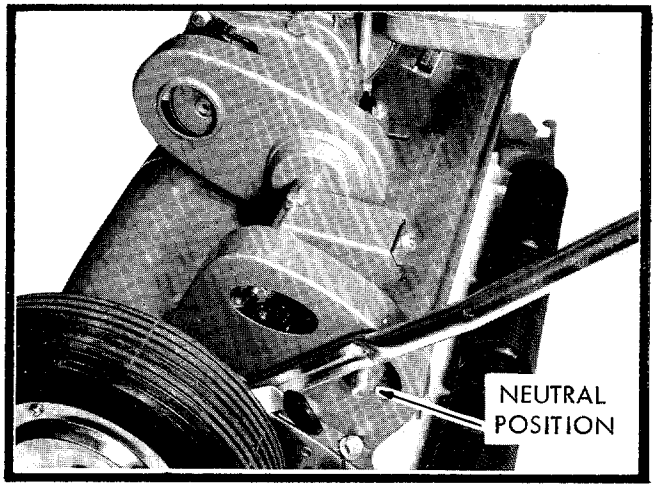
TO ADJUST CHAIN DRIVE

1. Loosen 4 engine mounting bolts and pull engine back.
2. Loosen 4 jackshaft mounting bolts and pull jackshaft assembly back to tighten chain. Allow ⅛ inch of slack in the chain, tighten mounting bolts and nuts securely.
3. Pull engine forward until the belt is tight then tighten the 4 engine mounting bolts securely.



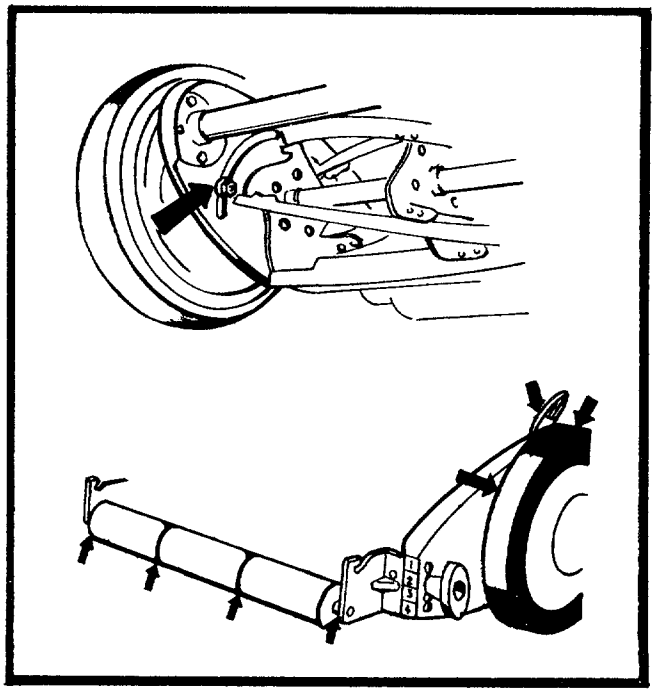
TO ADJUST BELT DRIVE

1. Check chain — if necessary adjust as described above (To Adjust Chain Drive).
2. If the chain does not need adjusting — loosen the 4 engine mounting bolts and with the handle in the stand-up position pull the engine forward until the belt is tight, then retighten the 4 engine mounting bolts securely.
3. Lower handle to neutral position. Disconnect sparkplug wire and fasten to the engine approx. 1-1/2 inches from the sparkplug. With a slow smooth motion pull the starter rope a few times — watching closely to see if the belt moves with the engine pulley. If the belt does move then a slight adjustment of one or two turns (counterclockwise) of the adjustment screw at the back of the jackshaft assembly must be made. **CAUTION:** Remember the handle must be in the stand-up position before making the adjustment.
4. Repeat Step 3 if necessary until a good disengagement of the belt (neutral position) is obtained, then while holding the adjustment screw — tighten the adjustment screw locknut.



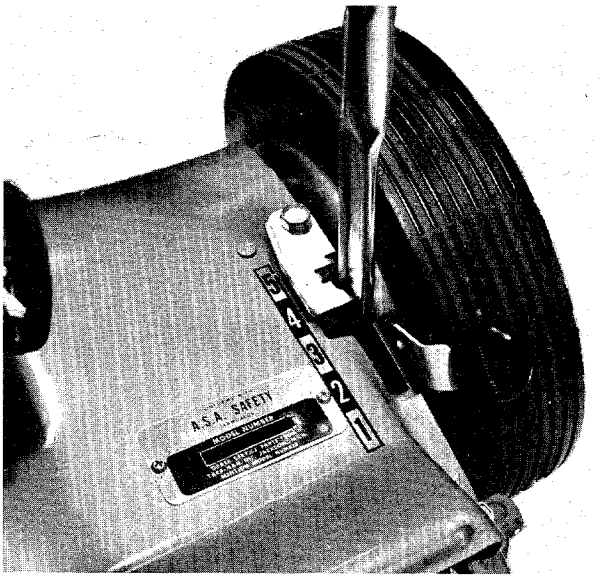
LUBRICATION

1. Change engine oil (crankcase) after first 5 hours of operating. See engine operating instructions.
2. Check air cleaner frequently.
3. Reel bearings require no attention until mower is serviced.
4. Check jackshaft oiler cup frequently, oil at beginning of mowing season and as needed. Oil roller shaft once or twice a year or as needed.
5. Lightly lubricate with engine oil, points indicated on roller and between end plates and wheel dust covers. Periodic lubrication at these points will insure smooth mechanical operation. (Fig. 8)



STAND-UP HANDLE

1. There's no storage problem with the stand-up handle.
2. Move handle latch on the end plate in and move handle to upright position. To transport mower in car, remove handle from chassis for more convenient handling. **CAUTION**: Always remove spark-plug wire before attempting to lift the mower.

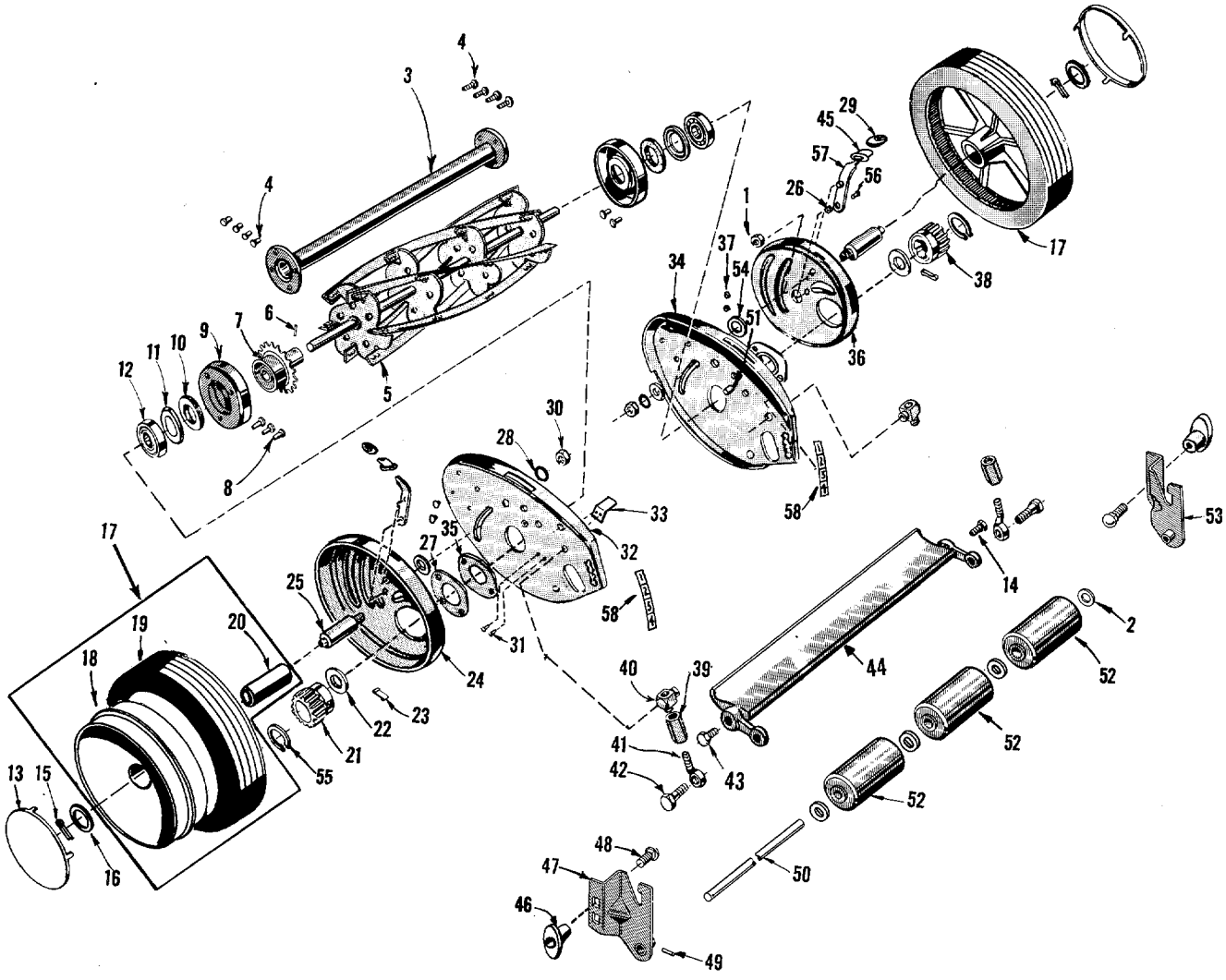


STORAGE

Store your mower in a clean, dry place and keep clean to serve you well. If stored for a length of time, the engine should be drained of fuel. This will prevent the forming of gum deposits on essential parts in the carburetor fuel line and tank, which might affect the efficient operation of your engine when again used.

Service Record

DATE	DESCRIPTION



ALL UN-NUMBERED PARTS
INTER-CHANGEABLE WITH
OPPOSITE SIDE.

For Illustration—see page 9

PARTS LIST

MODEL 1040-8

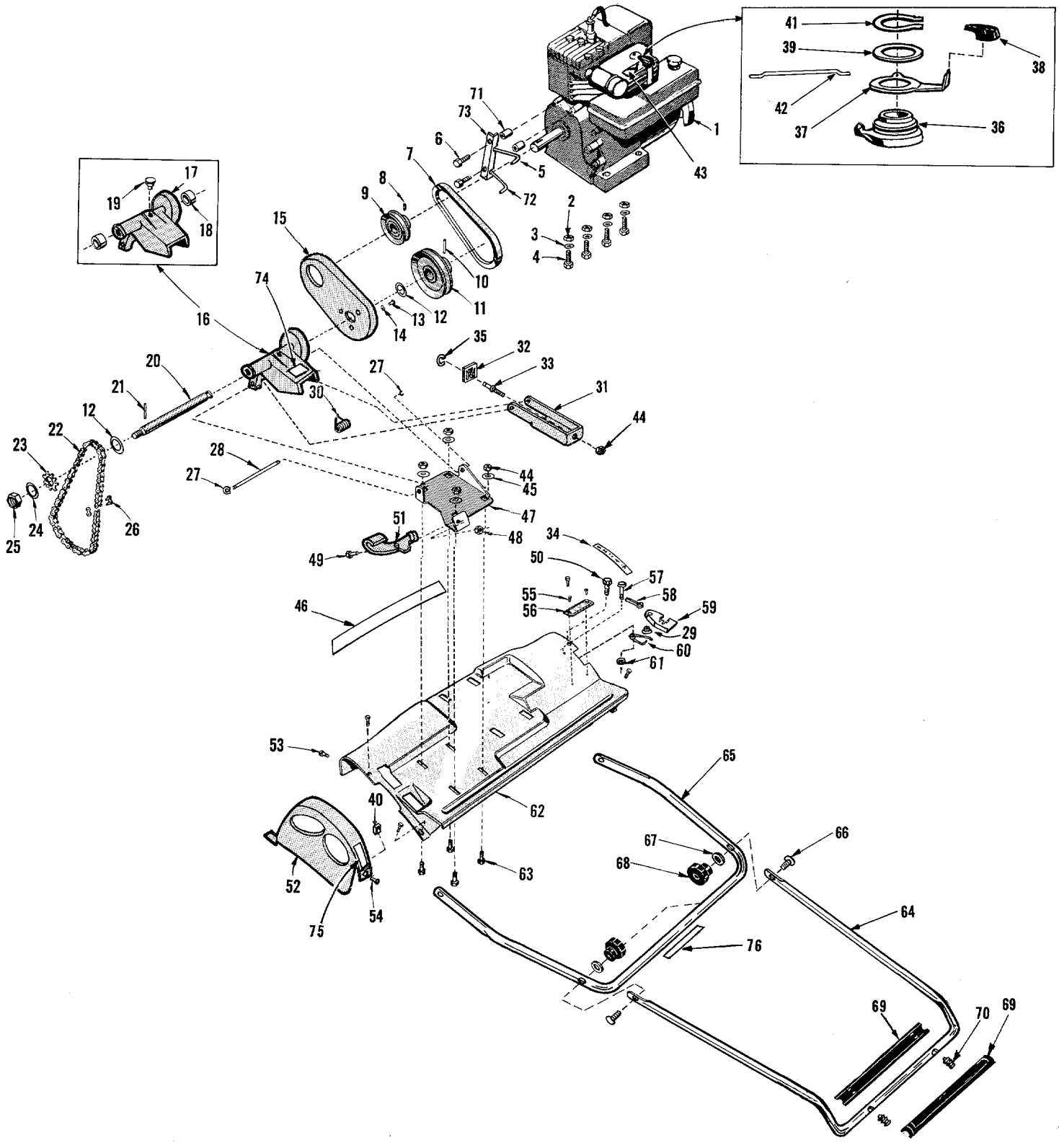
When ordering parts listed as L.H. or R.H.—determine the left or right hand side of your mower by standing behind the unit as you mow.

Do not use Reference Numbers when ordering Repair Parts, always use Part Numbers.

REF. NO.	PART NO.	NAME OF PART
1	1534-8	*Nut (10-32 Gripco)
2	1540-59	Washer—Roller
3	1112-18-55	Spacer Tube Assembly 18"
4	1530-6	*Rivet (3/16 x 3/8)
5	2135-20-55	Reel Assembly
6	1548-5	Rollpin
7	2121-2-55	Sprocket, Anti-wind Cup & Hub Ass'y
8	1530-20	*Rivet (3/16 x 13/32)
9	1629-28	Retainer
10	104	Felt Washer
11	106	Felt Retainer
12	3	Bearing
13	2674-33-55	Hub Cap
14	1509-86	Screw Cutter Bar L. H. Thd.
15	142	*Cotter Pin (1/8 x 5/8)
16	141	Washer
17	1108-80-55	Wheel and Tire Assembly
18	1110-27-55	Drive Wheel & Bearings Less Tire
19	2619-25	Tire
20	1652-52	Bearing
21	425	Pinion Gear
22	109	Felt Washer
23	323	Pawl
24	1118-9-55	Gear Housing—L.H.
25	1631-26	Axle
26	1540-55	Washer
27	1629-41	Retainer
28	1657-19	Bushing
29	2643-18	Knob—Wheel Adjust
30	41-028	Nut
31	1117	*Screw (10-32 x 3/8 Sems)
32	1129-139-55	End Plate with Trunnions—L.H.
33	1723-1	Scraper
34	1129-138-55	End Plate with Trunnions—R.H.
35	1624-138	Spacer
36	1118-8-55	Gear Housing—R.H.
37	1657-23	Nylon Bushing
38	428	Pinion Gear
39	1539-31	Nut
40	1156-6	Trunnion
41	1513-40	Bolt
42	453	Screw
43	455	Screw Cutter Bar—R.H. Thd.
44	2134-11-55	Cutter Bar Assembly—18"
45	1622-50	Dust Cover
46	1643-23	Roller Adjust Knob
47	2132-12-55	Roller Bracket Assembly—L.H.
48	1529-25	*Bolt (5/16-18 x 5/8)
49	1548-7	Rollpin
50	1632-57	Roller Shaft
51	10	Trunnion
52	1658-6	Roller
53	2132-11-55	Roller Bracket Assembly—R.H.
54	1540-43	Washer—Special
55	1650-21	Retaining Ring
56	1509-38	*Screw (#10-32 x 3/8 Hex Hd.)
57	1155-14-55	Spring & Trunnion Assembly
58	1616-119	Roller Adjust Label

For Illustration—See Page 8

*Standard Hardware Item—Purchase Locally.



For Parts List—See Pg. 11

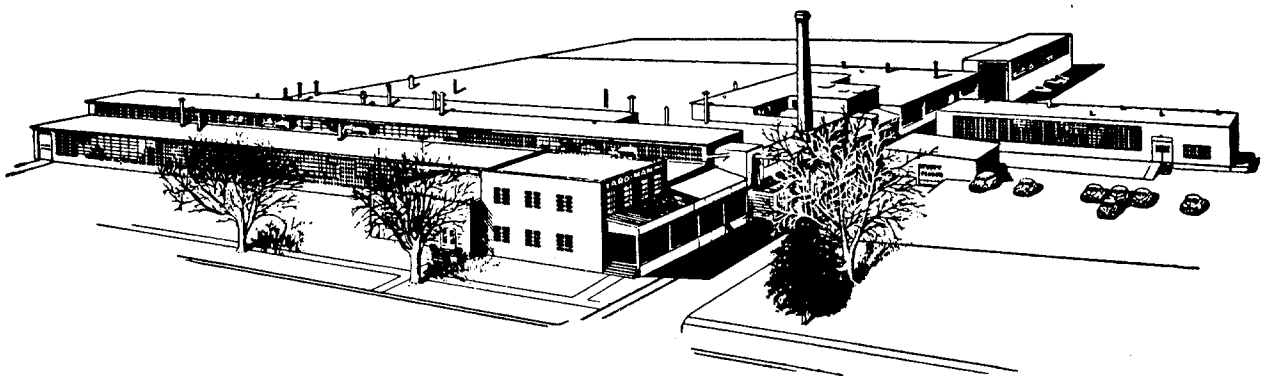
PARTS LIST

MODEL 1040-8

When ordering parts listed as L.H. or R.H.—determine the left or right hand side of your mower by standing behind the unit as you mow.

REF. NO.	PART NO.	NAME OF PART
1		Engine—Briggs & Stratton Model 60102 Type 0136-01
2	70	*Nut (5/16-18 Hex)
3	1025	*Lock Washer (5/16)
4	1529-11	*Bolt (5/16-18 x 1⅜ Carriage)
5	1724-7	Keeper—Belt Upper—18"
6	1509-69	*Screw (¼-20 x 1¾ Fillister Hd.)
7	1651-20	"V" Belt
8	1508-13	*Set Screw (5/16-24 x 7/32)
9	1626-40-55	Pulley
10	1548-11	Rollpin
11	2120-34-55	Pulley Assembly
12	1540-17	*Washer (⅝ x 15/16)
13	1511-9	Screw (10-32 x ½ Sems)
14	1540-55	Washer
15	3639-51-55	Belt Guard
16	2102-144-55	Jackshaft Housing, Bearings & Oiler Assembly
17	3601-122-55	Jackshaft Housing
18	1652-1	Bearing
19	1691-2	Oiler
20	1632-26	Jackshaft
21	1546-2	Pin
22	1654-2	Chain
23	1638-16	Sprocket
24	1036	Washer
25	1538-16	Nut (7/16-20 Hex Jam)
26	1113-13	Connector Link
27	1650-10	Retaining Ring
28	1547-3	Pin
29	1624-122	Spacer
30	1642-82-55	Spring
31	2609-322-55	Bracket—Striker
32	2624-164	Spacer—Adjust
33	1511-36	Screw—Adjust
34	1616-114	Label—Wheel Adjust
35	1650-37	Retaining Ring
36	2610-14	Adaptor
37	2705-25-55	Lever—Throttle Control
38	2643-41	Knob—Throttle Control
39	1652-12	Wave Washer
40	1534-8	*Nut (10-32 Hex Lock)
41	1650-36	Retaining Ring
42	1625-24	Link—Throttle Control
43	1616-280	Label—Throttle Control
44	67	*Nut (¼-20 Hex)
45	1018	*Lockwasher (¼)
46	2616-456	Label—Yard-Man
47	3609-82-55	Bracket
48	41-028	*Nut (5/16-24 Hex Lock Gripco)
49	1513-18	Bolt (5/16-24 Hex Shoulder Bolt)
50	1513-41	Bolt (5/16-24 x ¾ Hex Hd.)
51	2705-26	Lever
52	3639-48-55	Guard
53	1513-8	*Bolt (5/16-24 x ½ Hex Hd.)
54	117	*Screw (10-32 x ⅜ Phlps. Hd.)
55	1020	*Screw (6 x ¼ Rd. Hd.)
56	1605-510	Name Plate
57	1545-23	Clevis Pin
58	1547-4	Cotter Pin
59	2627-21-55	Latch
60	2642-51	Spring
61	1097	*Washer (3/16)
62	5690-9-55	Deck
63	1529-15	Bolt (¼-10 x ⅝)
64	3712-87-01	Handle—Upper Section
65	3712-88-01	Handle—Lower
66	1513-103	Bolt (5/16-18 x 1¾ Special)
67	1025	Washer (5/16 Split Lock)
68	1643-47	Knob
69	2710-40	Grip—Handle
70	1547-35	Pin—Grip Retaining
71	1624-69	Spacer
72	1724-9	Lower Belt Keeper
73	1606-48	Belt Keeper Bracket
74	1616-449	Label (Neutral—Caution)
75	1616-441	Label (Drive—Neutral)
76	1616-442	Label—Lower Handle

*Standard Hardware Item—Purchase Locally.



" You are cordially invited to visit our plant at any time."

WARRANTY

This YARD-MAN unit is guaranteed for one year from date of purchase (90 days when used commercially) against defects in workmanship or material under normal use and service.

We agree to repair or replace without charge to the purchaser, including labor, any part proven to be defective within the warranty period, except the Engine which is the responsibility of the Engine manufacturer.

Parts for this YARD-MAN unit will be available for at least ten years from the date of purchase. This warranty will not apply to a unit which has been subjected to—misuse, negligence, an accident, or to a unit which has been altered in any way.

YARD-MAN INC

JACKSON, MICHIGAN